- 31. (New) The method of claim 30 wherein the outer cover layer has a hardness from about 50 to about 60 shore D.
- 32. (New) The method of claim 28 wherein the inner cover layer has a flexural modulus of about 65,000 psi or more.
- 33. (New) The method of claim 32 wherein the inner cover layer has a hardness from about 65 to about 74 shore D.
- 34. (New) The method of claim 33 wherein the inner cover layer has a hardness from about 68 to about 72 shore D.
- 35. (New) The method of claim 28 wherein the outer diameter of the inner cover layer is from about 1.6 to about 1.63 inches.
- 36. (New) The method of claim 35 wherein the outer diameter of the inner cover layer is from about 1.62 to about 1.63 inches.
- 37. (New) The method of claim 28 wherein the solid core comprises:

  a solid center made from a first rubber based material;

  a solid outer layer made from a second rubber based material having different physical properties from said first rubber based material.
- 38. (New) The method of claim 37 wherein the center has an outer diameter from about 0.75 to about 1.3 inches.
- 39. (New) The method of claim 38 wherein the center has an outer diameter from about 1 to about 1.15 inches.
- 40. (New) The method of claim 37 wherein the outer diameter of the core outer layer is from about 1.55 to about 1.58 inches.

- 41. (New) The method of claim 37 wherein the core outer layer has a first crosslinking agent in an amount from about 20 to about 40 parts per hundred of rubber.
- 42. (New) The method of claim 41 wherein the amount of first crosslinking agent in the core outer layer is from about 30 to about 38 parts per hundred of rubber.
- 43. (New) The method of claim 41 wherein the core outer layer has from about 10 to about 17 parts of balata per hundred parts of rubber.
- 44. (New) The method of claim 37 wherein the center has a second crosslinking agent in an amount from about 15 to about 25 parts per hundred of rubber.
- 45. (New) The method of claim 44 wherein the amount of second crosslinking agent in the center is from about 19 to about 25 parts per hundred of rubber.
  - 46. (New) A method of forming a golf ball comprising the steps of: forming a core comprising:

a solid center made from a first rubber based material;

a solid outer layer made from a second rubber based material having different physical properties from said first rubber based material;

forming an inner cover layer made from a material having a first shore D hardness from about 65 to about 74 shore D and having an outer diameter of at least 1.6 inches;

casting an outer cover layer made from a material having a second shore D hardness less than the first.

- 47. (New) The method of claim 46 wherein the outer cover layer has a hardness of from about 30 to about 60 shore D.
- 48. (New) The method of claim 47 wherein the inner cover layer material has a hardness from about 68 to about 72 shore D.